

QUARTERLY HIV/AIDS REPORT, MICHIGAN JANUARY 2008

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General HIV

AIDS (Acquired Immune Deficiency Syndrome)

Diagnosis with any one of 26 different opportunistic illnesses which are indicative of a severe immune deficiency, or a laboratory test demonstrating severe immune deficiency (i.e. CD4 count <200 or CD4 percent <14%)

Case Definitions for HIV and AIDS

Standard definitions used by all states. Specific information is required in order to count a case of HIV infection or AIDS, including a method to uniquely identify an individual. Each person is counted as either HIV infected without AIDS or HIV infected with AIDS. Once a person meets the AIDS case definition, this person is always counted as an AIDS case, even if his/her health improves.

HAART

Highly Active Antiretroviral Therapy

HIV (Human Immunodeficiency Virus)

Diagnosis with HIV by positive HIV screening and confirmatory test or positive result or detectable quantity on virologic test

Pediatric Cases

Children < 13 years at the time of diagnosis

Epidemiology Terms

Epidemiology

The study of the distribution, determinates, and frequency of disease in humans.

GIS (Geographic Information System)

The display and analysis of geographic data in map format.

Incidence

Number of persons who become infected with a disease in a certain period of time, usually a year.

New Diagnoses

Number of cases newly diagnosed over a given period of time, usually a year. In HIV surveillance, new diagnoses do not necessarily represent new infections, as newly diagnosed cases may have been infected for many years. Thus, only some newly diagnosed cases are also incident cases.

Prevalence

Total number of persons currently living with a disease at one point in time. See page ii for a description of estimated prevalence in Michigan.

Public Health Surveillance

The ongoing collection, analysis, interpretation, dissemination, and evaluation of population-based information about persons with a condition or risk factor of public health concern.

Rate

Count of infected cases divided by the number of persons in the population (infected and uninfected). This calculation is multiplied by a multiple of 10, usually 1,000 or 100,000. Allows one to weigh the relationship between prevalence or number of new diagnoses and population.

Administrative Info

CDC

U.S. Centers for Disease Control and Prevention

eHARS (HIV/AIDS Reporting System)

A standardized database developed by CDC for national reporting of HIV/AIDS

HAPIS

HIV/AIDS Prevention and Intervention Section

MDCH

Michigan Department of Community Health

Risk Categories

Blood Recipient

All hemophiliacs, blood transfusion recipients, and organ recipients who received blood products prior to 1985 and all persons documented to have ever received an infected organ or unit of blood

Heterosexual

HRH (High Risk Heterosexuals)

Males and females whose sexual partners are known to be HIV-infected or at high risk for HIV. The partners meet one of the following criteria: a history of sexual contact with bi-sexual males (for females), IDU, hemophiliacs, HIV+ transfusion recipients, or other HIV+ persons of unknown risk

PH (Presumed Heterosexual)-Female

Females whose only reported risk is heterosexual contact, and their male partners' risk and HIV status is unknown

IDU (Injection Drug User)

Persons who have a history of injecting drugs

Perinatal

HIV transmission from mother to child during birth or through breastfeeding.

MSM (Men who have sex with men)

Males who have a history of sexual contact with other men or with both men and women

MSM/IDU

MSM who also have a history of injecting drugs

Undetermined

PH (Presumed Heterosexual)-Male

Males whose only reported risk is heterosexual contact, and their female partners' risk and HIV status is unknown

Unknown

Males and females with no identified risk

HIV Surveillance in Michigan

Background

Reports of HIV infection and AIDS are submitted to state and local health departments under Michigan law by providers making the diagnoses. In addition, MDCH implemented PA 514 in April 2005, requiring laboratories to report HIV test results. The addition of laboratory reporting to the HIV surveillance system has increased the case reports received and has improved reporting completeness. Anonymous HIV reports (without name or other identifier) are excluded from this report because we cannot estimate duplication, update status, or obtain missing data. A total of 1,921 complete anonymous reports have been reported in Michigan.

HIV Prevalence Estimates for Michigan

HIV prevalence estimates in this report are based on adding the following three components and rounding: 1) the number of cases living with HIV/AIDS, 2) the number of known HIV+ cases not yet reported, estimated at 10 percent of the reported living HIV/AIDS cases, and 3) the number of HIV+ cases that have not yet been tested, estimated at 25 percent of the total cases living with HIV/AIDS (identical to the CDC estimate).

Categorical estimates of HIV infection are calculated from the distribution of reported cases among each group of confidentially-reported persons living with HIV or AIDS. The proportion of total cases is multiplied by 18,000. For example, 77 percent of combined HIV and AIDS reports are among men. Therefore, the number of HIV-infected men in Michigan is estimated to be 13,860 = (76.99% X 18,000). Since the estimates are rounded to the nearest 10, totals may not equal 18,000. The minimum estimate is 10.

Michigan HIV Surveillance Activities

Core HIV Surveillance

Population-based surveillance system of diagnosed adult, adolescent, and pediatric HIV/AIDS cases.

MMP (Medical Monitoring Project)

Project providing information on needs, risk behaviors, barriers to utilization of services, and quality of care, as well as other data, among HIV-positive persons in care in Michigan.

Michigan MMP Coordinator, Kevin Coles (313) 876-0117

NHBS (National HIV Behavioral Surveillance)

Surveillance system to monitor selected behaviors and access to prevention services among groups of uninfected persons at highest risk for HIV infection: MSM, IDU, and Heterosexuals Living in High Risk Areas.

Michigan NHBS Coordinator, Vivian Griffin (313) 876-0352

STARHS (Serologic Testing Algorithm for Recent HIV Seroconversion)

HIV Incidence Surveillance that will enable estimation of new HIV infections in Michigan. Michigan STARHS Coordinator, Marianne O'Connor (313) 876-0854

VARHS (Variant, Atypical, and Resistant HIV Surveillance)

Surveillance of drug-resistant and sub-type HIV strains using viral genotyping of remnant sera.

Michigan VARHS Coordinator, Mary-Grace Brandt (313) 876-4115

HIV Surveillance Staff Contacts

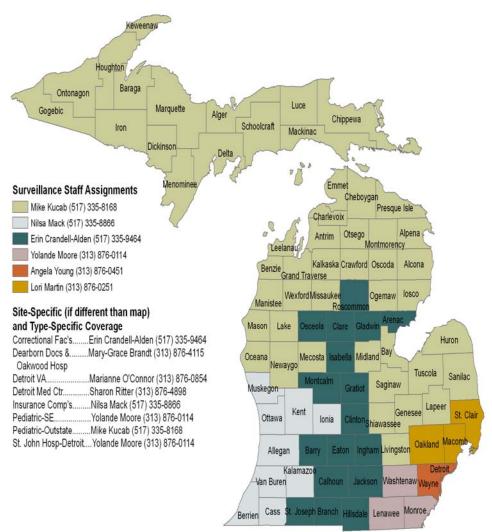


TABLE 1. Demographic Information on Prevalent HIV/AIDS Cases

	EST			CENSUS	2006					
	PREV*	IIIV na	+ 4100		TED PRE				ESTIMA	
		HIV, no			DS		Total	Rate per		
	Number	Number	Percent	Number Percent		Number Percent		100,000 [†]	Number	Percent
RACE/ ETHNICITY	,§							·		
White	6,430	2,231	(35%)	2,530	(36%)	4,761	(36%)	61	7,846,335	(78%)
Black	10,570	3,748	(59%)	4,071	(58%)	7,819	(59%)	549	1,424,394	(14%)
Hispanic	700	230	(4%)	290	(4%)	520	(4%)	132	393,281	(4%)
Asian/PI	80	28	(0%)	31	(0%)	59	(0%)	25	237,073	(2%)
Am Indian/AN	60	28	(0%)	18	(0%)	46	(0%)	85	54,231	(1%)
Multi/Unk/Other	160	60	(1%)	55	(1%)	115	(1%)	N/A	140,329	(1%)
SEX & RACE										
Males	13,860	4,726	(75%)	5,529	(79%)	10,255	(77%)	206	4,969,692	(49%)
White Males	5,590	1,883	(30%)	2,256	(32%)	4,139	(31%)	107	3,873,261	(38%)
Black Males	7,500	2,587	(41%)	2,964	(42%)	5,551	(42%)	824	673,766	(7%)
Hispanic Males	550	173	(3%)	232	(3%)	405	(3%)	194	208,505	(2%)
Other Males	220	83	(1%)	77	(1%)	160	(1%)	75	214,160	(2%)
Females	4,140	1,599	(25%)	1,466	(21%)	3,065	(23%)	60	5,125,951	(51%)
White Females	840	348	(6%)	274	(4%)	622	(5%)	16	3,973,074	(39%)
Black Females	3,060	1,161	(18%)	1,107	(16%)	2,268	(17%)	302	750,628	(7%)
Hispanic Fmls	160	57	(1%)	58	(1%)	115	(1%)	62	184,776	(2%)
Other Females	80	33	(1%)	27	(0%)	60	(0%)	28	217,473	(2%)
		00	(170)		(070)	00	(070)	20	217,170	(270)
RISK*		0.040	(4=0()	0.440	(400()		(4=0()		21/2	
Male-Male Sex	8,420	2,816	(45%)	3,418	(49%)	6,234	(47%)	N/A	N/A	N/A
Injection Drug Use	2,190	680	(11%)	942	(13%)	1,622	(12%)	N/A	N/A	N/A
MSM/IDU	780	250	(4%)	329	(5%)	579	(4%)	N/A	N/A	N/A
Blood Products	190	54	(1%)	88	(1%)	142	(1%)	N/A	N/A	N/A
Heterosexual	3,140	1,166	(18%)	1,156	(17%)	2,322	(17%)	N/A	N/A	N/A
HRH PH-Female	2,310 820	819 347	(13%) (5%)	893 263	(13%) (4%)	1,712 610	(13%) (5%)	N/A N/A	N/A N/A	N/A N/A
Perinatal	200	105	(2%)	46	(1%)	151	(1%)	N/A	N/A	N/A
Undetermined	3,070	1,254	(20%)	1,016	(15%)	2,270	(17%)	N/A	N/A	N/A
PH-Male	1,600	572	(9%)	613	(9%)	1,185	(9%)	N/A	N/A	N/A
Unknown	1,470	682	(11%)	403	(6%)	1,085	(8%)	N/A	N/A	N/A
AGE AT HIV DIAG	NOSIS									
0 - 12 years	230	116	(2%)	56	(1%)	172	(1%)	N/A	N/A	N/A
13 - 19 years	670	308	(5%)	189	(3%)	497	(4%)	N/A	N/A	N/A
20 - 24 years	2,150	917	(14%)	671	(10%)	1,588	(12%)	N/A	N/A	N/A
25 - 29 years	2,970	1,072	(17%)	1,127	(16%)	2,199	(17%)	N/A	N/A	N/A
30 - 39 years	6,580	2,191	(35%)	2,681	(38%)	4,872	(37%)	N/A	N/A	N/A
40 - 49 years	3,880	1,245	(20%)	1,626	(23%)	2,871	(22%)	N/A	N/A	N/A
50 - 59 years	1,240	388	(6%)	531	(8%)	919	(7%)	N/A	N/A	N/A
60 years and over	270	85	(1%)	114	(2%)	199	(1%)	N/A	N/A N/A	N/A N/A
Unspecified	10					3	(0%)	N/A N/A	N/A N/A	N/A N/A
•		3	(0%)	0	(0%)	3	(0 /0)	IN/#\	IN/A	IN/ <i>F</i> A
AREA OF RESIDEN										
Detroit Metro	12,370	4,012	(63%)	4,618	(66%)	8,630	(65%)	194	4,439,490	(44%)
Out-State	5,620	1,887	(30%)	2,033	(29%)	3,920	(29%)	73	5,369,451	(53%)
Prison/Unknown	780	426	(7%)	344	(5%)	770	(6%)	N/A	N/A	N/A
TOTAL	18,000	6,325	(100%)	6,995	(100%)	13,320	(100%)	132	10,095,643	(100%)

^{*}See pages i and ii for descriptions of prevalence estimate calculations and risk category groupings. Risk categories used in Michigan are newly defined as of the July 2007 quarter.

[†] To calculate "1 out x" statements for rate, divide the census number by the estimated prevalence. For example, for non-Hispanic whites: 7,846,335 / 6,430 = 1220. Thus, an estimated 1 out of every 1,220 non-Hispanic white persons in Michigan are living with HIV.

[§] In this report, persons described as white, black, Asian/Pacific Islander (PI), or American Indian/Alaska Native (AN) are all non-Hispanic; persons described as Hispanic might be of any race.

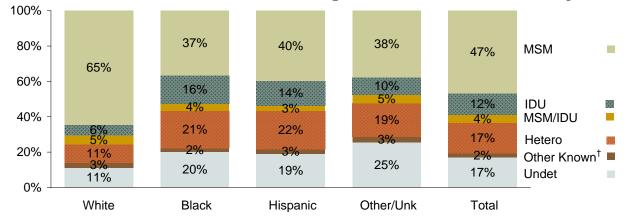
^{*} Detroit Metro Area consists of Oakland, Monroe, Lapeer, Macomb, St. Clair, and Wayne Counties. The remaining counties comprise the Out-State area.

TABLE 2. Sex, Race, and Risk Among Prevalent HIV/AIDS Cases

MALES	White		ВІ	Black		Hispanic		er or nown	Male \$	Subtotal
Male-Male sex	3,073	(74%)	2,871	(52%)	207	(51%)	83	(52%)	6,234	(61%)
Injecting Drug Use	179	(4%)	746	(13%)	53	(13%)	12	(8%)	990	(10%)
Male-Male Sex/IDU	231	(6%)	322	(6%)	16	(4%)	10	(6%)	579	(6%)
Blood Products	81	(2%)	32	(1%)	4	(1%)	2	(1%)	119	(1%)
Heterosexual*	100	(2%)	353	(6%)	36	(9%)	4	(3%)	493	(5%)
Perinatal	15	(0%)	64	(1%)	2	(0%)	3	(2%)	84	(1%)
Undetermined	460	(11%)	1,163	(21%)	87	(21%)	46	(29%)	1,756	(17%)
PH-Male	274	(7%)	819	(15%)	68	(17%)	24	(15%)	1,185	(12%)
Unknown	186	(4%)	344	(6%)	19	(5%)	22	(14%)	571	(6%)
Male Subtotal	4,139	(40%)	5,551	(54%)	405	(4%)	160	(2%)	10,255	(100%)
FEMALES	W	hite	ВІ	ack	His	panic		er or nown	Female Subtotal	
Injecting Drug Use	109	(18%)	494	(22%)	19	(17%)	10	(17%)	632	(21%)
Blood Products	14	(2%)	6	(0%)	2	(2%)	1	(2%)	23	(1%)
Heterosexual	410	(66%)	1,305	(58%)	76	(66%)	38	(63%)	1,829	(60%)
HRH	314	(50%)	824	(36%)	60	(52%)	21	(35%)	1,219	(40%)
PH-Female	96	(15%)	481	(21%)	16	(14%)	17	(28%)	610	(20%)
Perinatal	13	(2%)	47	(2%)	6	(5%)	1	(2%)	67	(2%)
Undetermined*	76	(12%)	416	(18%)	12	(10%)	10	(17%)	514	(17%)
Female Subtotal	622	(20%)	2,268	(74%)	115	(4%)	60	(2%)	3,065	(100%)
TOTAL	W	hite	ВІ	Black		Hispanic		er or nown	Risk Total	
Male-Male sex	3,073	(65%)	2,871	(37%)	207	(40%)	83	(38%)	6,234	(47%)
Injecting Drug Use	288	(6%)	1,240	(16%)	72	(14%)	22	(10%)	1,622	(12%)
Male-Male Sex/IDU	231	(5%)	322	(4%)	16	(3%)	10	(5%)	579	(4%)
Blood Products	95	(2%)	38	(0%)	6	(1%)	3	(1%)	142	(1%)
Heterosexual	510	(11%)	1,658	(21%)	112	(22%)	42	(19%)	2,322	(17%)
HRH	414	(9%)	1,177	(15%)	96	(18%)	25	(11%)	1,712	(13%)
PH-Female	96	(2%)	481	(6%)	16	(3%)	17	(8%)	610	(5%)
Perinatal	28	(1%)	111	(1%)	8	(2%)	4	(2%)	151	(1%)
Undetermined	536	(11%)	1,579	(20%)	99	(19%)	56	(25%)	2,270	(17%)
PH-Male	274	(6%)	819	(10%)	68	(13%)	24	(11%)	1,185	(9%)
Unknown	262	(6%)	760	(10%)	31	(6%)	32	(15%)	1,085	(8%)
RACE TOTAL	4,761	(36%)	7,819	(59%)	<i>520</i>	(4%)	220	(2%)	13,320	(100%)

*In the male subset all cases in the heterosexual category are HRH because the PH-Female category is not applicable to males and, likewise, in the female subset, all cases in the undetermined category are of unknown risk because the PH-Male category is not applicable to females.

FIGURE 1. Mode of HIV Transmission Among Prevalent HIV/AIDS Cases by Race



†The 'Other Known' category in Figure 1 is a combination of 'Blood Products' and 'Perinatal' from Table 2

TABLE 3. Sex, Race, and Age at HIV Diagnosis Among Prevalent HIV/AIDS Cases

MALES	White		ВІ	Black		Hispanic		ner or nown	Male S	Subtotal
0 - 12 years	25	(1%)	69	(1%)	2	(0%)	4	(3%)	100	(1%)
13 - 19 years	54	(1%)	272	(5%)	12	(3%)	3	(2%)	341	(3%)
20 - 24 years	377	(9%)	741	(13%)	41	(10%)	21	(13%)	1,180	(12%)
25 - 29 years	685	(17%)	888	(16%)	80	(20%)	32	(20%)	1,685	(16%)
30 - 39 years	1,682	(41%)	1,925	(35%)	168	(41%)	63	(39%)	3,838	(37%)
40 - 49 years	959	(23%)	1,186	(21%)	70	(17%)	29	(18%)	2,244	(22%)
50 - 59 years	283	(7%)	394	(7%)	24	(6%)	6	(4%)	707	(7%)
60 years and over	74	(2%)	74	(1%)	8	(2%)	2	(1%)	158	(2%)
Total*	4,139	(40%)	5,549	(54%)	405	(4%)	160	(2%)	10,253	(100%)
FEMALES	W	White		ack	His	panic	Other or Unknown		Female Subtotal	
0 - 12 years	14	(2%)	51	(2%)	6	(5%)	1	(2%)	72	(2%)
13 - 19 years	37	(6%)	105	(5%)	11	(10%)	3	(5%)	156	(5%)
20 - 24 years	112	(18%)	275	(12%)	16	(14%)	5	(8%)	408	(13%)
25 - 29 years	126	(20%)	363	(16%)	15	(13%)	10	(17%)	514	(17%)
30 - 39 years	193	(31%)	773	(34%)	41	(36%)	27	(45%)	1,034	(34%)
40 - 49 years	92	(15%)	510	(22%)	18	(16%)	7	(12%)	627	(20%)
50 - 59 years	37	(6%)	163	(7%)	6	(5%)	6	(10%)	212	(7%)
60 years and over	10	(2%)	28	(1%)	2	(2%)	1	(2%)	41	(1%)
Total*	621	(20%)	2,268	(74%)	115	(4%)	60	(2%)	3,064	(100%)
TOTAL	w	hite	ВІ	Black		Hispanic		ner or nown	Age Total	
0 - 12 years	39	(1%)	120	(2%)	8	(2%)	5	(2%)	172	(1%)
13 - 19 years	91	(2%)	377	(5%)	23	(4%)	6	(3%)	497	(4%)
20 - 24 years	489	(10%)	1,016	(13%)	57	(11%)	26	(12%)	1,588	(12%)
25 - 29 years	811	(17%)	1,251	(16%)	95	(18%)	42	(19%)	2,199	(17%)
30 - 39 years	1,875	(39%)	2,698	(35%)	209	(40%)	90	(41%)	4,872	(37%)
40 - 49 years	1,051	(22%)	1,696	(22%)	88	(17%)	36	(16%)	2,871	(22%)
50 - 59 years	320	(7%)	557	(7%)	30	(6%)	12	(5%)	919	(7%)
60 years and over	84	(2%)	102	(1%)	10	(2%)	3	(1%)	199	(1%)
RACE TOTAL*	4,760	(36%)	7,817	(59%)	<i>520</i>	(4%)	220	(2%)	13,317	(100%)

*Not included in this table are one white female and two black male cases of unknown age at diagnosis

FIGURE 2. Age at HIV Diagnosis Among Prevalent HIV/AIDS Cases by Race

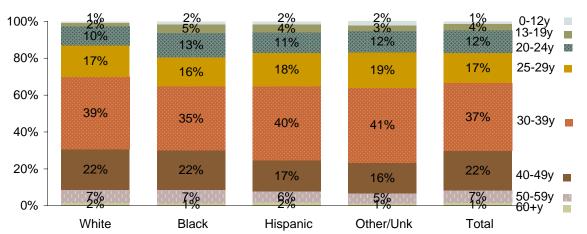


TABLE 4. New Diagnoses, Deaths, and Prevalence of HIV/AIDS by Year

		HIV/AID	S		AIDS	
Year	New HIV Diagnoses	Deaths	Prevalence	New AIDS Diagnoses	Deaths	Prevalence
1981	4	2	2	3	2	1
1982	3	0	5	2	0	3
1983	28	5	28	22	5	20
1984	71	17	82	50	17	53
1985	379	63	398	98	63	88
1986	487	102	783	168	99	157
1987	719	182	1,320	318	174	301
1988	902	263	1,959	492	254	539
1989	1,300	380	2,879	689	370	858
1990	1,437	453	3,863	794	433	1,219
1991	1,446	536	4,773	962	515	1,666
1992	1,495	662	5,606	1,232	630	2,268
1993	1,307	822	6,091	1,124	776	2,616
1994	1,211	901	6,401	1,010	843	2,783
1995	1,193	911	6,683	1,059	843	2,999
1996	1,126	632	7,177	852	583	3,268
1997	1,048	469	7,756	733	419	3,582
1998	909	399	8,266	644	351	3,875
1999	751	363	8,654	573	317	4,131
2000	918	379	9,193	646	328	4,449
2001	895	380	9,708	569	313	4,705
2002	777	296	10,189	573	268	5,010
2003	879	262	10,806	595	227	5,378
2004	904	250	11,460	558	209	5,727
2005	920	261	12,119	691	230	6,188
2006	847	209	12,757	633	184	6,637
2007	718	155	13,320	489	131	6,995
TOTAL	22,674	9,354		15,579	8,584	

The prevalence of HIV in Michigan has steadily increased, since persons with HIV are living longer. This is largely due to improved anti-retroviral therapy.

The increase in HIV prevalence is also reflected in Figure 3 on page 5, which shows that the number of persons diagnosed, while stable for the last several years, is greater than the number of deaths each year. This directly contributes to the increase in prevalence. The current reported prevalence of HIV/AIDS in Michigan is 13,320. The prevalence of AIDS, which is a subset of HIV/AIDS prevalence, is 6,995.

As implied, the HIV/AIDS section displays data on all persons with HIV, including those with AIDS, as well as those who have not been diagnosed with AIDS. Thus, persons represented in the AIDS section are also represented in the HIV/AIDS section. The number of reported deaths includes deaths directly attributable to presence of HIV/AIDS as well as deaths due to other causes.

NOTE: Reporting for recent years may not be complete. Data are not adjusted to account for reporting delays.

FIGURE 3. New Diagnoses, Deaths, and Prevalence of HIV/AIDS by Year

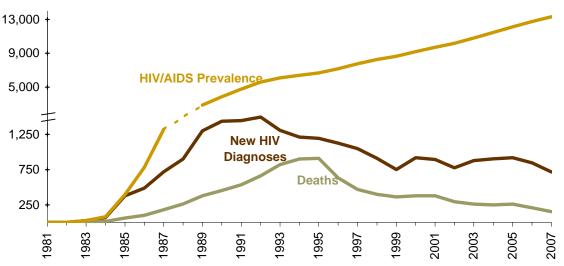


Figure 4 (below) shows the number of HIV-infected Michigan residents who have been reported as deceased by a local health department, the department of vital records via a data match or death certificate, or an alternate source. The number of deaths increased in all race/sex groups from the beginning of the epidemic through approximately 1994-1995. The number of deaths decreased markedly between 1995 and 1998 and then were relatively stable until 2001. It should be noted that the percent decrease in deaths among white males (74%) between 1995 and 2001 was more pronounced than the percent decrease among black males (57%), and the percent decrease among white females (55%) was larger than the percent decrease among black females (38%). Encouragingly, the number of deaths in black males has fallen substantially from 2001 to 2005 (40%), even in comparison to white males (26%), black females (25%), and white females (11%), but the number of deaths among black males still exceeds that of any other race/sex group.

FIGURE 4. HIV/AIDS Deaths by Race/Sex 1995 - 2001 2001 - 2005 500 400 Black Male Number of Deaths 300 200 **Black Females** 100 0 666 2005 993 994 995 966 1997 966 2002 2003 2004 2006 2001 Year of Death

*Deaths occuring in 2007 are not available at this time

TABLE 5. Demographic Information on Persons Ever Diagnosed* with HIV

		Domog	-	2007	CUMULATIVE (through 2007)							
	1	Male		emale		Total	M	ale		male		otal
RACE/ETHNICIT												
White	201	(36%)	28	(18%)	229	(32%)	7,369	(41%)	927	(20%)	8,296	(37%)
Black	316	(56%)	120	(77%)	436	(61%)	9,724	(54%)	3,515	(75%)	13,239	(58%)
Hispanic	35	(6%)	3	(2%)	38	(5%)	633	(4%)	160	(3%)	793	(3%)
Asian	3	(1%)	2	(1%)	5	(1%)	58	(0%)	17	(0%)	75	(0%)
Am Indian	0	(0%)	1	(1%)	1	(0%)	48	(0%)	18	(0%)	66	(0%)
Multi/Unk	7	(1%)	2	(1%)	9	(1%)	156	(1%)	49	(1%)	205	(1%)
				, ,		. ,		. ,				, ,
RISK [§]							1					
Male-Male Sex	328	(58%)	N/A		328	(46%)	10,470	(58%)	N/A		10,470	(46%)
Injection Drug Use	29	(5%)	10	(6%)	39	(5%)	2,608	(14%)	1,483	(32%)	4,091	(18%)
MSM/IDU	9	(2%)	N/A		9	(1%)	1,238	(7%)	N/A		1,238	(5%)
Blood Products	0	(0%)	0	(0%)	0	(0%)	388	(2%)	64	(1%)	452	(2%)
Heterosexual	19	(3%)	87	(56%)	106	(15%)	720	(4%)	2,393	(51%)	3,113	(14%)
HRH	19	(3%)	31	(20%)	50	(7%)	720	(4%)	1,682	(36%)	2,402	(11%)
PH-Female Perinatal	N/A 2	(0%)	56 0	(36%)	56 2	(8%)	<i>N/A</i> 124	 (10/)	711 99	(15%)	711 223	(3%)
Undetermined	175		59	(0%) (38%)	234	(0%) (33%)	2,440	(1%)	647	(2%) (14%)		(1%)
PH-Male	93	(31%) (17%)	N/A	(30%)	93	(33%)	1,580	(14%) <i>(</i> 9% <i>)</i>	N/A	(1470)	3,087 1,580	(14%) <i>(7%)</i>
Unknown	82	(15%)	59	(38%)	141	(20%)	860	(5%)	647	(14%)	1,507	(7%)
AGE AT HIV DIAG	GNOS	IS					ļ					
0 - 12 years	2	(0%)	0	(0%)	2	(0%)	166	(1%)	103	(2%)	269	(1%)
13 - 19 years	55	(10%)	9	(6%)	64	(9%)	421	(2%)	185	(4%)	606	(3%)
20 - 24 years	81	(14%)	14	(9%)	95	(13%)	1,584	(9%)	506	(11%)	2,090	(9%)
25 - 29 years	61	(11%)	22	(14%)	83	(12%)	2,883	(16%)	720	(15%)	3,603	(16%)
30 - 39 years	129	(23%)	49	(31%)	178	(25%)	6,948	(39%)	1,669	(36%)	8,617	(38%)
40 - 49 years	148	(26%)	40	(26%)	188	(26%)	4,220	(23%)	1,059	(23%)	5,279	(23%)
50 - 59 years	65	(12%)	18	(12%)	83	(12%)	1,367	(8%)	344	(7%)	1,711	(8%)
60 years and over	21	(4%)	4	(3%)	25	(3%)	395	(2%)	99	(2%)	494	(2%)
Unspecified	0	(0%)	0	(0%)	0	(0%)	2	(0%)	1	(0%)	3	(0%)
	. ¥						Í					
DISEASE STATUS		(=)		//\		(= .= .)				(()		(()
AIDS - Same time	134	(24%)	39	(25%)	173	(24%)	7,121	(40%)	1,381	(29%)	8,502	(37%)
AIDS - Short lag	29	(5%)	10	(6%)	39	(5%)	1,278	(7%)	354	(8%)	1,632	(7%)
AIDS - Long lag	0	(0%)	0	(0%)	0	(0%)	4,301	(24%)	1,144	(24%)	5,445	(24%)
HIV, not AIDS	399	(71%)	107	(69%)	506	(70%)	5,288	(29%)	1,807	(39%)	7,095	(31%)
AREA OF RESIDE	NCE /	T DI AGI	NOSI	S.E								
Detroit Metro	372	(66%)	107		479	(670/)	11 000	(660/)	2 204	(720/)	15 216	(670/)
		. ,		(69%)		(67%)	11,822	(66%)	3,394	(72%)	15,216	(67%)
Out-State Prison/Unknown	175	(31%)	48	(31%)	223	(31%)	5,104	(28%)	1,191	(25%)	6,295	(28%)
F115011/UTIKHUWI1	15	(3%)	1	(1%)	16	(2%)	1,062	(6%)	101	(2%)	1,163	(5%)
TOTAL	562	(78%)	156	(22%)	718	(100%)	17,988	(79%)	4,686	(21%)	22,674	(100%)

^{*}Includes deceased cases

NOTE: <5 and ** = 1, 2, 3, or 4 cases

[†]Data for cases diagnosed in 2007 may be incomplete at this time

[§] See page i for description of risk category groupings. Risk categories used in Michigan are newly defined as of the July 2007 quarter.

^{*} The definitions of disease status are as follows:

AIDS - Same time = Concurrent HIV and AIDS diagnoses (diagnoses within the same month)

AIDS - Short lag = AIDS diagnosed 1 month to 12 months after HIV diagnosis

AIDS - Long lag = AIDS diagnosed more than 12 months after HIV diagnosis

HIV, not AIDS = Has not been diagnosed with AIDS

[£] Detroit Metro Area consists of Oakland, Monroe, Lapeer, Macomb, St. Clair, and Wayne Counties. The remaining counties comprise the Out-State area.

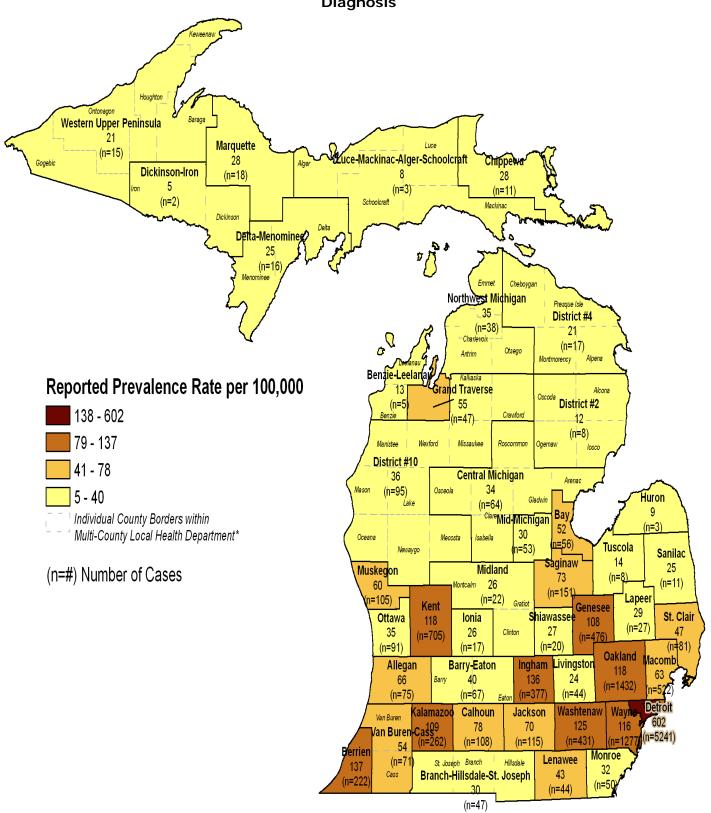
TABLE 6. Prevalent HIV/AIDS Cases According to County of Residence at Diagnosis

Number N			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_ 0	vaioni	0//	i Do Gases A	tecoraling to count		acrice at	Diagno	,,,,		
Number HIV, Not AIDS Total Rate* AIDS AIDS Total Rate* AIDS AIDS Total Rate* AIDS AI	COUNTY	EST PREV	REPORTED PREVALENCE		CENSUS 2006 EST	REPORTED PREVATENCE					CENSUS 2006 EST			
Alcona 10 0 1 1 1 9 11,759 Livingston 60 20 24 44 24 184,511 Alcor 10 0 1 1 1 9 9 11,759 Livingston 60 20 24 44 24 184,511 Alcor 11 0 10 3 1 1 1 10 9.65 Livingston 10 0 0 0 0 0 0 6.684 Allegan 110 33 42 75 68 113,501 Mackinac 10 0 1 1 1 9 9 11,050 Artitum 10 1 3 5 6 8 32 24,463 Alcor 10 0 0 1 1 1 9 9 11,050 Artitum 10 1 3 5 6 8 32 24,463 Artitum 10 1 3 5 5 8 32 24,663 Artitum 10 1 3 5 5 8 32 24,663 Artitum 10 1 3 5 5 8 6 3 32 24,663 Artitum 10 1 1 1 2 2 4 6 6 69 8,742 Manistee 2 3 5 8 8 13 52 25,067 Artitum 10 1 2 4 6 6 69 8,742 Manistee 2 3 5 7 8 8 13 52 25,004 Artitum 10 1 2 4 6 6 69 8,742 Manistee 2 3 6 7 8 8 13 52 20,045 Artitum 10 1 2 4 6 6 69 8,742 Manistee 2 3 6 7 8 8 13 82 25,004 Artitum 10 1 2 4 6 6 9 8 8,742 Manistee 2 3 6 7 8 8 13 82 25,004 Artitum 10 1 2 4 6 6 9 8 8,742 Manistee 2 3 6 7 8 8 13 82 25,004 Artitum 10 1 2 5 5 6 5 2 108,390 Mackinac 10 0 3 7 7 10 34 8 42,252 Artitum 10 1 2 5 5 6 5 2 108,390 Mackinac 10 0 3 7 7 10 34 8 42,252 Artitum 10 1 2 5 6 5 2 108,390 Mackinac 10 0 3 7 7 10 34 8 42,252 Artitum 10 1 2 6 8 8 13 3 1 4 4 6 8,909 Artitum 10 1 2 6 8 8 13 8 14 22 2 6 8 8,792 Artitum 10 1 2 6 8 17,893 Manistee 2 3 8 8 14 2 2 2 6 8 8,792 Artitum 10 1 2 6 8 17,893 Manistee 2 3 8 8 14 2 2 2 6 8 8,792 Artitum 10 1 2 6 8 17,993 Manistee 2 3 8 14 1 2 2 8 42,252 Artitum 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				AIDS	Total	Rate*			Number		AIDS	Total	Rate*	
Algeran 10 0 1 1 1 1 0 9,665 Luce 10 0 0 0 0 0 0 0 6,684 Algeran 110 33 42 75 66 113,501 Mackinac 10 0 1 1 1 9 11,050 Alpenan 10 1 2 3 10 30,067 Mackinac 10 0 1 1 1 9 11,050 Mackinac 10 0 1 1 1 1 9 11,050 Mackinac 10 0 1 1 1 1 9 11,050 Mackinac 10 0 1 1 1 1 1 1 2 3 32,861 Martinuctte 30 1 12 6 18 18 28 64,675 Martinuctte 30 1 12 6 18 18 28 18 64,675 Martinuctte 30 1 12 6 18 18 28 18 64,675 Martinuctte 30 1 12 6 18 18 28 18 64,675 Martinuctte 30 1 12 6 18 18 18 18 18 18 18 18 18 18 18 18 18	Alcona			1	1	9	11,759	Livingston	60	20	24	44	24	184,511
Alpeina 10		10					9,665	Luce	10	0	0	0	0	6,684
Antrimin 10 3 5 8 33 24,468 Arenac 10 1 1 2 12 17,024 Marquette 30 12 6 18 28 64,675 Baraqa 10 2 4 6 6 9 8,742 Mason 10 3 7 10 34 29,045 Baraqa 10 2 4 6 6 69 8,742 Mason 10 3 7 10 34 29,045 Baraqa 10 2 1 6 6 18 28 64,675 Mason 10 3 7 10 34 29,045 Bary 80 31 25 56 55 52 108,390 Mecosta 20 8 4 12 28 42,252 Bay 80 31 25 56 55 52 108,390 Menominee 10 3 1 4 16 24,686 Berrien 320 96 126 222 137 161,705 Missaukee 10 3 2 5 5 33 15,197 Branch 20 10 2 12 26 45,875 Monroe 70 10 3 2 5 5 33 15,197 Branch 20 10 2 12 26 45,875 Monroe 70 10 3 2 5 5 33 15,197 Branch 20 10 2 12 26 45,875 Monroe 70 10 0 1 1 1 1 4 2 3 63,978 Monroe 70 10 0 1 1 1 1 2 2 8 40,000 Monroe 70 10 0 1 1 1 1 2 8 36,674 Clare 20 7 6 13 42 31,307 Coceana 10 6 4 10 35 28,639 Clare 20 7 6 13 3 2 2 13 33,507 Coceana 10 6 4 10 35 28,639 Crawford 10 0 3 3 3 20 14,928 Orthopologo 10 0 1 1 1 2 2 8 7,202 Delta 20 4 8 12 31 38,156 Crawford 10 0 3 3 5 8 8 24 33,607 Coceana 10 6 4 4 10 35 28,639 Crawford 10 0 1 1 1 4 2 7,447 Coceana 10 1 2 2 4 17 23,584 Dickinson 10 0 1 1 1 4 2 7,447 Coceana 10 1 2 2 4 17 23,584 Dickinson 10 0 1 1 1 4 2 7,447 Coceana 10 1 1 2 2 8 7,202 Delta 20 3 5 8 8 24 33,607 Coceana 10 1 1 2 2 8 7,202 Delta 20 3 5 8 8 24 33,607 Coceana 10 1 1 1 2 2 8 7,202 Delta 20 3 5 8 8 24 33,607 Coceana 10 1 1 1 2 2 8 7,202 Delta 20 3 5 8 8 24 33,607 Coceana 10 1 1 1 2 2 8 7,202 Delta 20 4 8 12 31 38,156 Coceana 10 1 1 1 2 2 8 7,202 Delta 20 4 8 12 31 38,156 Coceana 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Allegan	110	33	42	75		113,501	Mackinac				L.		11,050
Arenac 10 1 1 1 2 12 17,024 Barry 30 6 13 19 32 59,899 Bary 80 31 25 56 52 108,390 Berzie 10 1 0 1 0 1 6 17,652 Berzie 10 1 1 0 1 6 17,652 Berzie 10 1 0 2 4 6 6 98 Berzie 10 1 1 0 1 6 17,652 Berzie 10 1 1 0 1 1 0 1 6 17,652 Berzie 10 1 1 0 1 1 0 1 6 17,652 Berzie 10 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 1 0 1							30,067				277			832,861
Barraga 10 2 4 6 6 9 8,742 Mason 10 3 7 10 34 29,045 Masory 30 6 13 19 32 59,899 Mecosta 20 8 4 12 28 42,252 Bay 80 31 25 56 52 108,399 Mecosta 20 8 4 12 28 42,252 Bay 80 31 25 56 52 108,399 Mecosta 20 8 4 12 28 42,252 Barrier 320 96 126 222 137 161,705 Midland 30 8 14 22 26 83,792 Berrien 320 96 126 222 137 161,705 Midland 30 8 14 22 25 6 83,792 Berrien 320 96 126 222 137 161,705 Midland 30 8 14 22 26 83,792 Berrien 320 96 126 222 137 161,705 Midland 30 8 14 22 25 6 83,792 Mecosta 20 10 2 12 26 45,875 Monroe 70 18 32 2 5 33 15,197 Monroe 70 18 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2 4 17 2 2 2 2	Antrim	10	3	5		33	24,463		20	5		13	52	25,067
Bary 80	Arenac	10	1	1			17,024	Marquette	30		6	18		64,675
Bay 80 31 25 56 52 108,390 Menominee 10 3 1 4 16 24,686 Midland 30 8 14 4 16 24,686 Midland 30 8 14 22 26 83,792 Berrien 320 96 126 222 137 161,705 Midland 30 8 14 22 26 83,792 Berrien 320 96 126 222 137 161,705 Midland 30 8 14 22 26 83,792 Midland 30 8 14 22 3 14 22 26 83,792 Midland 30 8 14 22 36 84,872 Midland 30 8 14 32 36 36 36 36 36 36 36 36 36 36 36 36 36		10				69	8,742		10		7			29,045
Benzie		30					59,899				4			42,252
Berrien 320 96 126 222 137 161,705 Misrach 20 10 2 12 26 45,875 Montroe 70 18 32 50 32 155,035 33 15,197 Montroe 70 18 32 50 32 155,035 33 34 34 34 34 34 34							108,390		10		•			24,696
Branch 20		10					17,652	Midland	30					83,792
Calhoun 150 53 55 108 78 137,991 Montcalm 20 6 11 17 27 63,977 Charlevoix 20 5 8 13 49 26,422 Montmorency 10 0 4 4 38 10,478 Charlevoix 20 5 8 13 49 26,422 Montmorency 10 0 4 4 38 10,478 Chapper 20 7 4 11 28 38,674 Clare Colabla 20,050 689 743 1,432 118 1,214,255 Clare 20 7 6 13 42 31,307 Oceana 10 6 4 10 35 28,839 Clinton 40 18 13 31 44 69,909 Oceana 10 1 1 2 28,39 Clare 20 4 8 12 31		320					161,705	Missaukee	10	3				15,197
Cass 40 15 14 29 56 51,329 Montmorency 10 0 4 4 38 10,478 Charlevoix 20 5 8 13 49 26,422 Musewaya 30 7 11 18 36 49,840 Chebowgan 10 2 5 7 26 27,282 Newaya 30 7 11 18 36 49,840 Chippear 20 7 6 13 42 31,307 Oceana 10 6 4 10 35 28,639 Clare 20 7 6 13 31 44 69,909 Oceana 10 6 4 10 35 28,639 Clare 20 4 8 12 31 31,44 69,909 Oceana 10 1 1 2 28 7,202 Dickinson 10 0 1 1 <				2		26	45,875		70				32	155,035
Charlevoix 20 5 8 13 49 26.422 Newayoo 30 7 11 18 36 49.840 Cheboyaon 10 2 2 5 7 26 27.228 Newayoo 30 7 11 18 36 49.840 Chippewa 20 7 4 11 28 38.674 Calkland 2.050 689 743 1.432 118 1.214.255 Clare 20 7 6 13 42 31.307 Coceana 10 6 4 10 35 226.639 Clinton 40 18 13 31 44 69.909 Clinton 40 18 13 31 44 69.909 Coreana 10 1 2 3 14 21.665 Clinton 40 10 0 3 3 20 14.928 Clinton 40 10 0 3 3 20 14.928 Clinton 40 10 0 3 3 20 14.928 Clinton 40 10 0 1 1 4 27.477 Coceana 10 0 1 1 2 28 7.202 Clinton 40 4 8 12 31 38.156 Coceana 10 2 2 4 17 23.584 Coceana 10 2 2 2 4 17 23.584 Coceana 10 2 2 3 3 3 2 24.711 Coceana 10 4 5 9 36 24.711 Coceana 10 4 5 9 36 24.711 Coceana 10 2 3 3 3 4 24.806 Coceana 10 4 5 9 36 24.711 Coceana 10 2 3 3 3 4 24.807 Coceana 10 4 5 9 36 24.711 Coceana 10 4 4 9 13 5 25.7671 Coceana 10 4 4 7 11 25 34.444 Coceana 10 4 4 4 8 24.107 Coceana 10 4 4 4 8 24.107 Cocea		150	53				137,991		20	-				63,977
Cheboydan 10		40			29		51,329							10,478
Chippewa 20 7 4 11 28 38,674 Oakland 2,050 689 743 1,432 118 1,214,255 Clare 20 7 6 6 13 42 31,307 Coceana 10 6 6 4 10 33 14 21,665 Crawford 10 0 3 3 3 20 14,928 Ontonagon 10 1 1 2 3 14 21,665 Ontonagon 10 1 1 1 2 2 28 7,2584 Dickinson 10 0 1 1 4 27,447 Occeana 10 1 2 2 4 1 17 23,584 Dickinson 10 0 1 1 4 27,447 Occeana 10 1 2 2 4 1 17 23,584 Dickinson 10 0 1 1 1 4 27,447 Occeana 10 1 0 1 1 1 2 2 3 3 14 21,665 Coceana 10 1 1 1 2 2 28 7,2584 Dickinson 10 0 1 1 1 4 2 2,7,447 Occeana 10 1 1 0 1 1 1 1 1 2 2,8584 Dickinson 10 0 1 1 1 4 2 2,7,447 Occeana 10 1 1 0 1 1 1 1 1 1 2 2,8584 Dickinson 10 0 1 1 1 4 2 2,7,447 Occeana 10 1 1 0 1 1 1 1 9,140 Coceana 10 1 1 0 1 1 1 9,140 Coceana 10 1 1 0 1 1 1 9,140 Coceana 10 1 1 1 2 3 3 14 21,665 Coceana 10 1 1 0 1 1 1 1 9,140 Coceana 10 1 1 1 2 3 3 14 21,665 Coceana 10 1 1 0 1 1 1 1 9,140 Coceana 10 1 1 1 1 1 9,140 Coceana 10 1 1 1 1 1 9,140 Coceana 10 1 1 1 2 3 3 14 21,665 Coceana 10 1 1 1 1 1 9,140 Coceana 10 1 1 1 1 1 1 1 1 2 23,64 Coceana 10 1 1 1 1 1 1 1 1 2 23,64 Coceana 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							26,422							175,231
Clare Clinton 40 18 13 42 31,307 Coceana 10 6 4 10 35 28,639 Crawford 10 0 3 3 3 20 14,928 Ontonagon 10 1 1 2 3 14 21,002 Delta 20 4 8 12 31 38,156 Oscoola 10 1 1 2 2 4 1 17 23,584 Oscoola 10 1 0 1 1 1 2 2 3 14,928 Ontonagon 10 1 1 1 1 2 2 28 7,202 Delta 20 4 8 12 31 38,156 Oscoola 10 1 0 1 1 1 2 2 3 4 17 23,584 Oscoola 10 1 0 1 1 1 1 1 2 2 28 7,202 Delta 20 4 8 12 31 38,156 Oscoola 10 1 0 1 0 1 1 1 1 2 3,584 Oscoola 10 1 0 1 0 1 1 1 1 1 2 3,584 Oscoola 10 1 1 0 1 1 1 1 1 2 3,584 Oscoola 10 1 1 0 1 1 1 1 1 2 3,584 Oscoola 10 1 1 0 1 1 1 1 1 1 2 3,584 Oscoola 10 1 1 0 1 1 1 1 1 1 2 3,584 Oscoola 10 1 1 0 1 1 1 1 1 1 2 3,584 Oscoola 10 1 1 0 1 1 1 1 1 1 1 2 3,584 Oscoola 10 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cheboygan	10	2				27,282		30				36	49,840
Clinton 40 18 13 31 44 69,909 Comaw 10 1 2 3 14 21,665 Crawford 10 0 3 3 20 14,928 Contonagon 10 1 1 2 2 8 7,202 Delta 20 4 8 12 31 38,156 Coscola 10 2 2 2 4 17 23,584 Coscola 10 1 1 1 9,140 Coscola 10 1 1 0 1 1 1 1 9,140 Coscola 10 1 1 0 1 1 1 1 9,140 Coscola 10 1 1 0 1 1 1 1 9,140 Coscola 10 1 1 0 1 1 1 1 9,140 Coscola 10 1 1 0 1 1 1 1 9,140 Coscola 10 1 1 0 1 1 1 1 1 9,140 Coscola 10 1 1 0 1 1 1 1 1 9,140 Coscola 10 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				-			38,674							
Crawford 10 0 3 3 20 14/928 Delta Ontonagon 10 1 1 2 28 7,202 Descola 10 1 1 2 38,156 Descola 10 1 1 4 17,237 Descola 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2,3584 Descola 10 1 0 1 1 1 2,3584 Descola 10 1 0 1 1 1 2,3584 Descola 10 1 0 1 1 1 2 2 4 17 23,584 Descola 10 1 0 1 1 1 2 3,584 Descola 10 1 1 1 1 2 3,564 Descola 10 1 1 1 2 3,65 Per 3,67 1 1 1 2 3,60 Per 3,76 1 1 1 1<	Clare	20				42	31,307		10	6				28,639
Delta 20							69,909			1	2			21,665
Dickinson 10		10			3		14,928		10	1	1			7,202
Eaton 70 21 27 48 45 107,237 Otsego 10 4 5 9 36 24,711 Otsego 10 4 9 5 9 36 24,711 Otsego 10 4 9 5 9 36 24,711 Otsego 10 4 9 5 9 36 24,711 Otsego 10 1 1 0 1 2 3 2 1 14,144 Otsego 10 10 1 2 3 2 1 14,144 Otsego 10 10 1 2 3 2 1 14,144 Otsego 10 10 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0							38,156	Osceola		2		4		23,584
Emmet 10 3 5 8 24 33.607 Ottawa 130 40 51 91 35 257.671 Genesee 680 236 240 476 108 441,966 Ottawa 130 40 51 91 35 257.671 Ottawa 130 50 24 4 7 11 25 344.448 Ottawa 130 20 20 76 75 151 73 206.300 Ottawa 130 20 77 72.912 Ottawa 130 20 20 76 75 151 73 206.300 Ottawa 130 20 20 77 72.912 Ottawa 130 20 20 7							27,447			1	•	1		9,140
Genesee 680 236 240 476 108 441,966 Presque Isle 10 1 2 3 21 14,144 Gladwin 10 2 5 7 26 27,008 Roscommon 20 4 9 9 13 50 26,064 Gooebic 10 1 0 1 0 1 6 16,524 Sacinaw 220 76 75 151 73 206,300 Grand Traverse 70 23 24 47 55 84,952 Sanilac 20 4 7 11 25 44,448 Gratiot 10 2 3 5 12 42,107 Schoolcraft 10 1 0 1 11 8,744 Hillsdale 10 4 3 7 7 15 47,206 Shiawassee 30 7 13 20 27 72,912 Houghton 10 2 4 6 17 35,334 St. Clair 120 43 38 81 47 171,725 Huron 10 1 2 3 9 34,143 St. Joseph 40 11 17 28 45 62,777 Inqham 540 209 168 377 136 276,898 Tuscola 10 4 4 8 14 8 14 57,878 lonia 20 7 10 17 26 64,821 Van Buren 60 20 22 42 53 79,018 losco 10 2 1 3 11 26,831 Washtenaw 620 215 216 431 125 344,047 Iron 10 1 1 8 12,377 Wayne Total 9,350 3,004 3,514 6,518 331 1,971,853 Isabella 40 14 11 25 38 65,818 Wayne, excl. Detroit 7,510 2,442 2,799 5,241 602 871,121 Alake 10 3 6 9 76 11,793 Lapeer 40 13 14 27 29 93,761 Leelanau 10 0 4 4 4 18 22,112 UNKNOWN 10 3 1 4 4 N/A N/A N/A Isabella 10 0 4 4 4 8 18 22,112 UNKNOWN 10 3 1 4 4 N/A N/A						45								24,711
Gladwin 10 2 5 7 26 27,008 Roscommon 20 4 9 13 50 26,064 Saginaw 220 76 75 151 73 206,300 Grand Traverse 70 23 24 47 55 84,952 Sanilac 20 4 7 11 25 44,448 Gratiot 10 2 3 5 12 42,107 Schoolcraft 10 1 0 1 0 1 11 8,744 Hillsdale 10 4 3 7 15 47,206 Shiawassee 30 7 13 20 27 72,912 Houghton 10 2 4 6 17 35,334 St. Clair 120 43 38 81 47 177,725 Huron 10 1 2 3 9 34,143 St. Joseph 40 11 17 28 45 62,777 Huron 10 1 2 3 9 34,143 St. Joseph 40 11 17 28 45 62,777 Blonia 20 7 10 17 26 64,821 Van Buren 60 20 22 42 53 79,018 losco 10 2 1 3 11 26,831 Washtenaw 620 215 216 431 125 344,047 Iron 10 0 1 1 8 12,377 Wayne Total 9,350 3,004 3,514 6,518 331 1,971,853 lsabella 40 14 11 25 38 65,818 Wayne, excl. Detroit 7,510 2,442 2,799 5,241 602 877,121 Wexford 20 4 7 11 34 31,994 Kalkaska 10 3 1 4 23 17,330 Vex ford 20 4 7 11 34 31,994 Keweenaw 10 0 0 0 0 0 0 0 2,183 Lake 10 3 6 9 76 11,793 PRISONS 770 423 343 766 N/A N/A Leelanau 10 0 4 4 4 8 18 22,112 UNKNOWN 10 3 1 4 N/A N/A										40				257,671
Gogebic 10 1 0 1 0 1 6 16,524 Saginaw 220 76 75 151 73 206,300 Grand Traverse 70 23 24 47 55 84,952 Sanilac 20 4 7 11 25 44,448 Gratiot 10 2 3 5 12 42,107 Schoolcraft 10 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1							441,900			1				14,144
Grand Traverse 70 23 24 47 55 84,952 Sanilac 20 4 7 11 25 44,448 Gratiot 10 2 3 5 12 42,107 Schoolcraft 10 1 0 1 1 1 8,744 Houghton 10 4 3 7 15 47,206 Shiawassee 30 7 13 20 27 72,912 Houghton 10 1 2 4 6 17 35,334 St. Clair 120 43 38 81 47 171,725 Huron 10 1 2 3 9 34,143 St. Joseph 40 11 17 28 45 62,777 Ingham 540 209 168 377 136 276,898 Ionia 20 7 10 17 26 64,821 Van Buren 60 20 22 42 53 79,018 Iosco 10 2 1 3 11 26,831 Washtenaw 620 215 216 431 125 344,047 Iron 10 0 1 1 1 8 12,377 Wayne Total 9,350 3,004 3,514 6,518 331 1,971,853 Ioscon 160 58 57 115 70 163,851 Wayne, excl. Detroit 1,830 52,442 2,799 5,241 602 871,121 Kalamazoo 380 136 126 262 109 240,720 Kalkaska 10 3 1 4 23 17,330 Keweenaw 10 0 0 0 0 0 0 2,183 Lake 10 3 6 9 76 11,793 Lapeer 40 13 14 27 29 93,761 Lake 10 0 0 4 4 4 18 22,112 UNKNOWN 10 3 1 4 6 N/A N/A Ioscon 10 0 4 4 4 18 22,112 UNKNOWN 10 3 1 4 N/A N/A Ioscon 10 0 4 4 4 18 22,112 UNKNOWN 10 3 1 4 N/A				-	-		27,008		20					20,004
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						18	22.112							
	Lenawee	60	21	23	-	43	102,191	TOTAL	18,000	6,325	6,995	13,320	132	10,095,643

^{*}Rate is reported prevalence per 100,000 and is not an estimate

[†] Detroit Metro Area consists of Oakland, Monroe, Lapeer, Macomb, St. Clair, and Wayne Counties. The remaining counties comprise the Out-State area.

FIGURE 5. Reported HIV Prevalence and Prevalence Rates by Residence at Diagnosis



^{*}To mitigate the effect of small numbers of cases, reported HIV prevalence rates and case numbers for multi-county health departments are listed for the health department as a whole and not the individual counties.

TABLE 7. Perinatal HIV Exposures by Year of Birth, 2001 - 2007

	2001	2002	2003	2004	2005	2006	2007 [†]
NUMBER DELIVERIES/	BIRTHS						
Infants	78	57	66	56	71	48	15
Mothers	77	57	65	51	65	46	13
RESIDENCE AT BIRTH							
Southeast Michigan	45 (58%)	36 (63%)	45 (68%)	37 (66%)	42 (59%)	29 (60%)	7 (47%)
Out-State Michigan	33 (42%)	21 (37%)	21 (32%)	19 (34%)	29 (41%)	19 (40%)	8 (53%)
INFANTS' RACE							
White, Non-Hispanic	9 (12%)	11 (19%)	10 (15%)	7 (13%)	9 (13%)	7 (15%)	2 (13%)
Black, Non-Hispanic	59 (76%)	38 (67%)	51 (77%)	46 (82%)	57 (80%)	33 (69%)	12 (80%)
Other	10 (13%)	8 (14%)	5 (8%)	3 (5%)	5 (7%)	8 (17%)	1 (7%)
MOTHERS' MODE OF T	RANSMISS	ION*					
Injecting Drug Use	7 (9%)	5 (9%)	6 (9%)	3 (6%)	7 (11%)	2 (4%)	0 (0%)
High Risk Heterosexual	48 (62%)	33 (58%)	30 (46%)	13 (25%)	31 (48%)	17 (37%)	2 (15%)
Undetermined	22 (29%)	19 (33%)	28 (43%)	35 (69%)	27 (42%)	27 (59%)	11 (85%)

^{*}Not reported in this table is one mother's mode of transmission of 'Blood Products' for an infant born in 2003

Table 7 displays the characteristics of all infants born to HIV positive women as well as characteristics of their mothers. Figure 6 indicates the current infection status of these infants -- the bottom portion of the bars showing number confirmed to be infected with HIV and/or diagnosed with AIDS; the middle portion showing those not to be infected with HIV or AIDS through laboratory testing or physician exam; and the top portion showing the number whose HIV infection status is unknown due to loss to follow up or infection status reporting delay.

Since 1994, the CDC and other organizations involved in perinatal HIV transmission have recommended that HIV-positive pregnant women receive doses of zidovudine (ZDV or AZT) prenatally and at labor and delivery and that children born to these women receive ZDV neonatally. Despite these recommendations, only 57% of births to HIV-positive women are documented by MDCH to have received all three arms of therapy. For more information, please see the annual Missed Opportunity report, which can be found at: http://www.michigan.gov/mdch/0,1607,7-132-2940_2955_2982_46000_46003-166892--,00.html

80 25 Number of Infants 60 28 41 19 40 38 31 Unknown 20 Not Infected ■ HIV or AIDS 0 2001 2002 2003 2004 2005 2006 2007 Year of Birth

FIGURE 6. Infection Status of Perinatal HIV Exposures, 2001 - 2007

[†] Reporting for 2007 is incomplete at this time.